PARSONS®

CATALYST BEADS SITE INVESTIGATION RESULTS

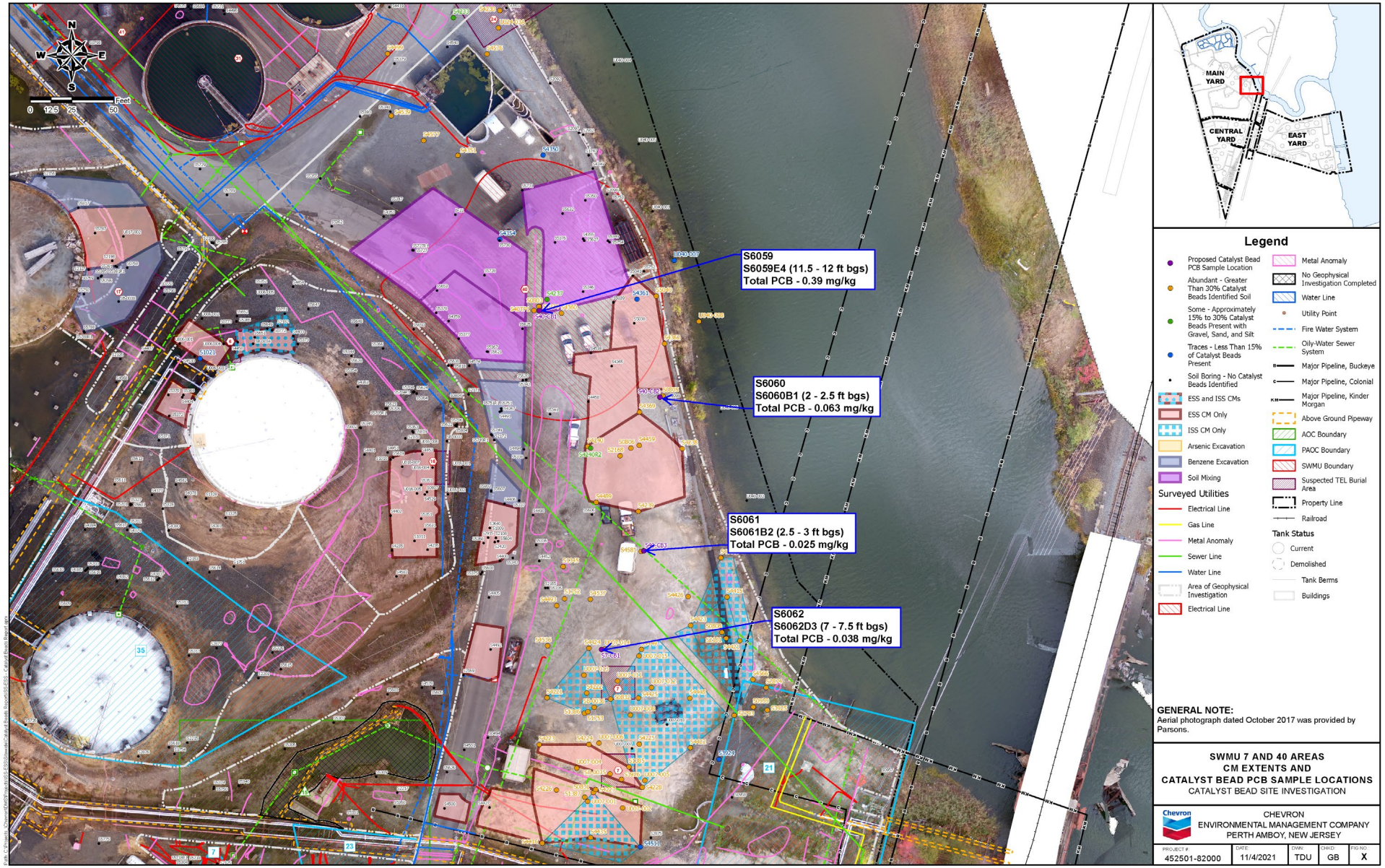
FORMER CHEVRON FACILITY

PERTH AMBOY, NJ

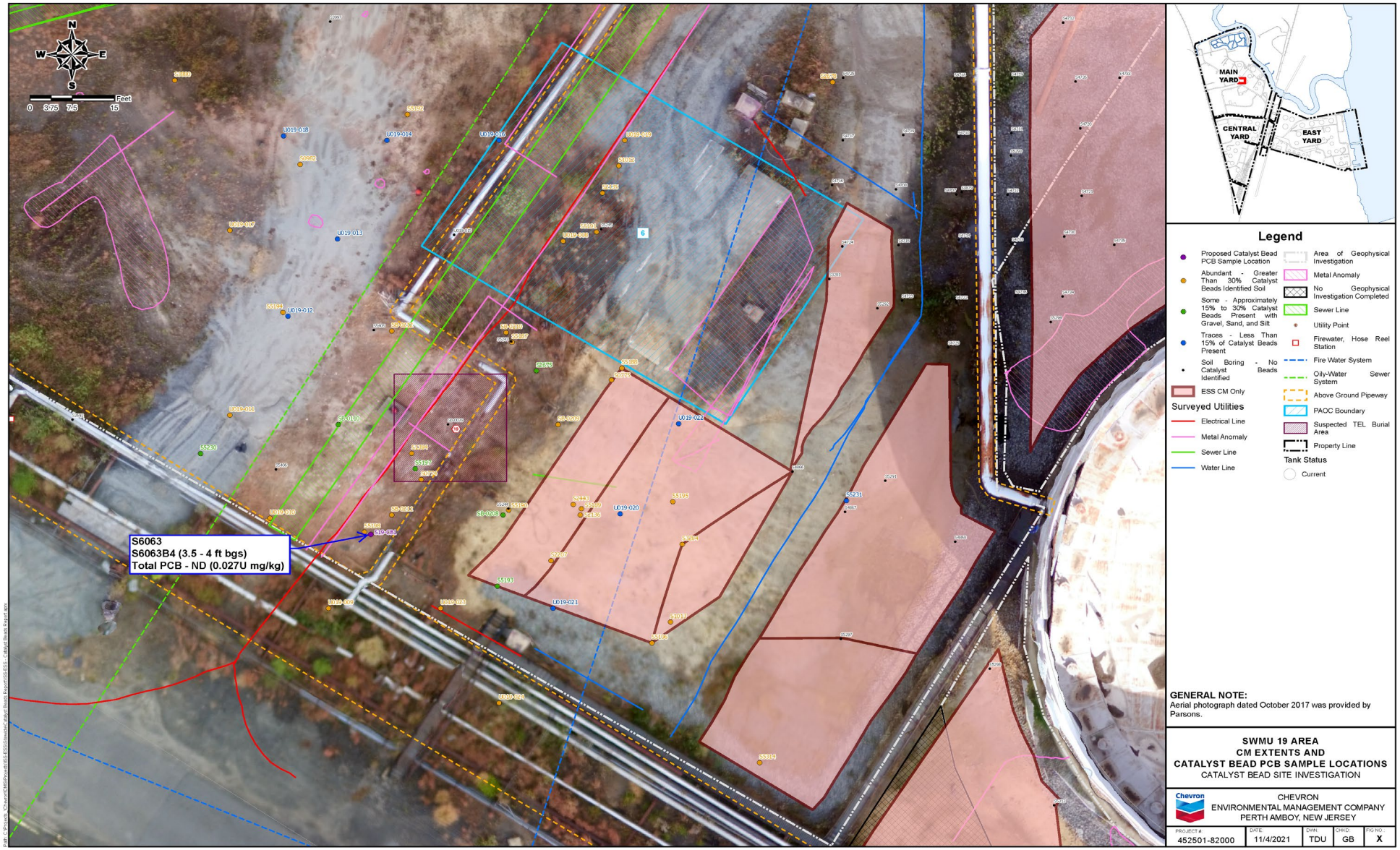
CATALYST BEAD INVESTIGATION OBJECTIVE

- **Site Investigation performed to evaluate potential PCB impacts associated with spent catalyst beads identified in the subsurface**
- **Focused on SWMUs 7, 19, 39, and 40 due to historical use as spent catalyst bead disposal areas**
- **Total of 8 soil samples collected from 8 boring locations:**
  - Sampled 1 location in SWMU 7
  - Sampled 1 location in SWMU 19
  - Sampled 3 locations in SWMU 40
  - Sampled 3 locations in SWMU 39

SWMU 7 AND 40 AREAS



SWMU 19 AREA


S6063
S6063B4 (3.5 - 4 ft bgs)
Total PCB - ND (0.027U mg/kg)
MAIN YARD
CENTRAL YARD
EAST YARD
Legend
Proposed Catalyst Bead PCB Sample Location
Abundant - Greater Than 30% Catalyst Beads Identified Soil
Some - Approximately 15% to 30% Catalyst Beads Present with Gravel, Sand, and Silt
Traces - Less Than 15% of Catalyst Beads Present
Soil Boring - No Catalyst Beads Identified
ESS CM Only
Surveyed Utilities
Electrical Line
Metal Anomaly
Sewer Line
Water Line
Area of Geophysical Investigation
Metal Anomaly
No Geophysical Investigation Completed
Sewer Line
Utility Point
Firewater, Hose Reel Station
Fire Water System
Oily-Water Sewer System
Above Ground Pipeway
PAOC Boundary
Suspected TEL Burial Area
Property Line
Tank Status
Current
GENERAL NOTE:
Aerial photograph dated October 2017 was provided by Parsons.
SWMU 19 AREA
CM EXTENTS AND
CATALYST BEAD PCB SAMPLE LOCATIONS
CATALYST BEAD SITE INVESTIGATION
CHEVRON
ENVIRONMENTAL MANAGEMENT COMPANY
PERTH AMBOY, NEW JERSEY
PROJECT # 452501-82000
DATE 11/4/2021
DWN TDU
CHKD GB
FIG NO. X

SWMU 39 AREA


N
W
E
S
0 10 20 40 Feet
S6056
S6056E2 (8.5 - 9 ft bgs)
Total PCB - 0.039 mg/kg
S6057
S6057E3 (9 - 9.5 ft bgs)
Total PCB - ND (0.027U mg/kg)
S6058
S6058G4 (13.5 - 14 ft bgs)
Total PCB - 0.094 mg/kg
MAIN YARD
CENTRAL YARD
EAST YARD
Legend
Proposed Catalyst Bead PCB Sample Location
Abundant - Greater Than 30% Catalyst Beads Identified Soil
Some - Approximately 15% to 30% Catalyst Beads Present with Gravel, Sand, and Silt
Traces - Less Than 15% of Catalyst Beads Present
Soil Boring - No Catalyst Beads Identified
ESS CM Only
ISS CM Only
Surveyed Utilities
Electrical Line
Metal Anomaly
Sewer Line
Water Line
Area of Geophysical Investigation
Electrical Line
Metal Anomaly
No Geophysical Investigation Completed
Water Line
Fire Water System
Oily-Water Sewer System
AOC Boundary
SWMU Boundary
Property Line
Demolished
Tank Berms
Buildings
GENERAL NOTE:
Aerial photograph dated October 2017 was provided by Parsons.
SWMU 39 AREA
CMI EXTENTS AND
CATALYST BEAD PCB SAMPLE LOCATIONS
CATALYST BEAD SITE INVESTIGATION
Chevron
CHEVRON
ENVIRONMENTAL MANAGEMENT COMPANY
PERTH AMBOY, NEW JERSEY
PROJECT # 452501-82000
DATE: 11/4/2021
DWN: TDU
CHKD: GB
FIG NO: X

ANALYTICAL RESULTS

- Samples analyzed for PCBs following USEPA SW846 Method 8082A
- Method 3540C from EPA SW-846 was used for extraction of PCBs from individual samples.

			SWMU 39 S6056	SWMU 39 S6057	SWMU 39 S6058	SWMU 40 S6059	SWMU 40 S6060	SWMU 40 S6061	SWMU 7 S6062	SWMU 19 S6063
		Depth Interval (bgs)	8.5 to 9.0	9.0 to 9.5	13.5 to 14.0	11.5 to 12.0	2.0 to 2.5	3.5 to 3.0	7.0 to 7.5	3.5 to 4.0
		Sample Date	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021
Parameter	Units	USEPA TSCA Limit	Result	Result	Result	Result	Result	Result	Result	Result
Total PCB	mg/kg	1	0.039	ND	0.094	0.39	0.063	0.025	0.038	ND

Notes:

- None of the samples exceed the USEPA Toxic Substances Control Act (TSCA) limit of 1 mg/kg for Total PCBs
- ND – Non detect